SEQUENCE LISTING

<110> Wake Forest University
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       Hawkins, Gregory A.
       Meyers, Deborah A.

<120> GENETIC POLYMORPHISMS OF ESTROGEN RECEPTOR ALPHA ASSOCIATED WITH
FAVORABLE HDL CHOLESTEROL RESPONSE TO HORMONE REPLACEMENT THERAPY

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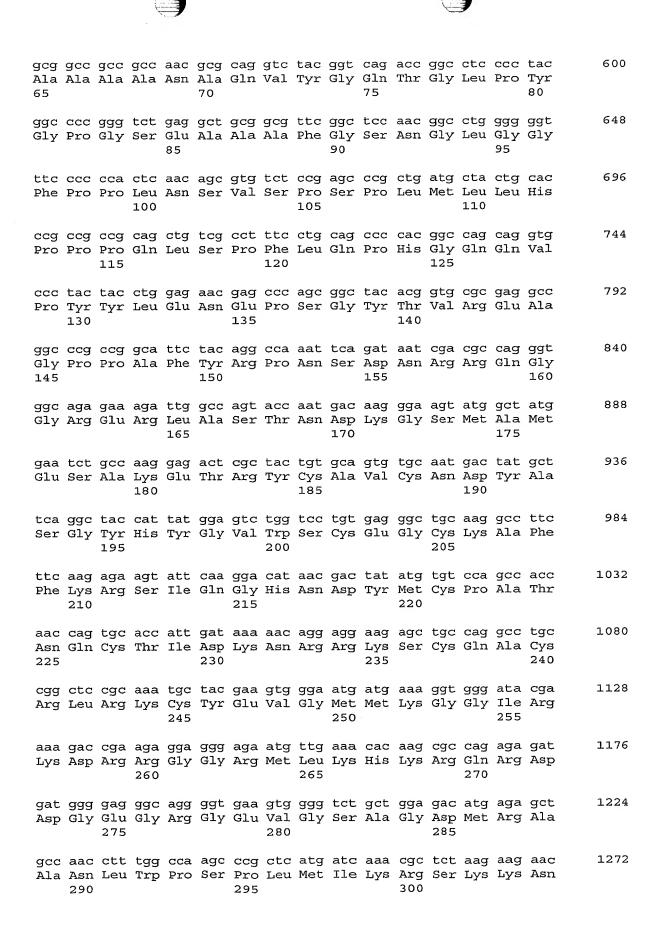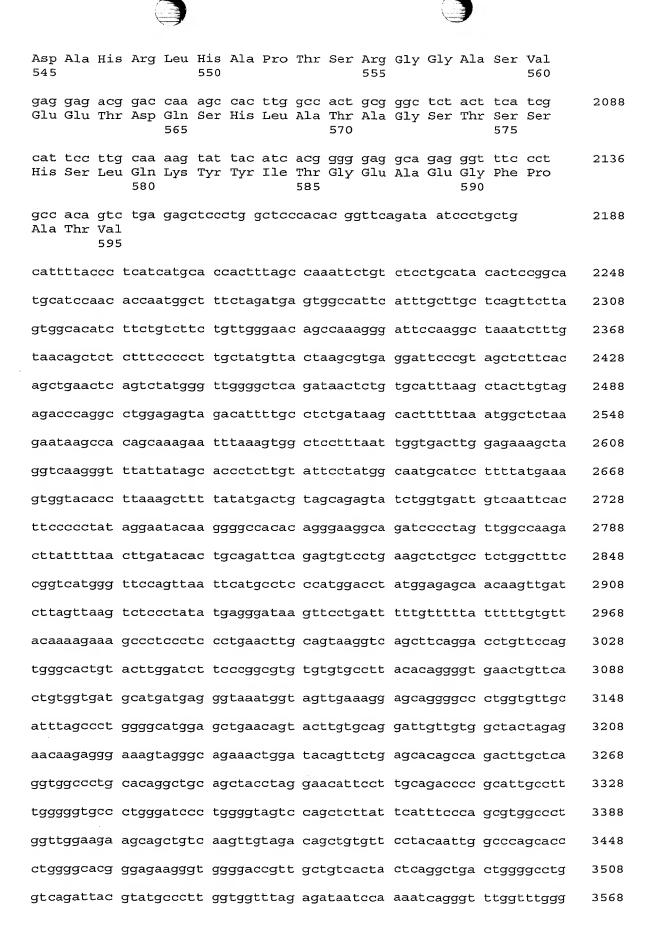<222> (361)..(2148)
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atc ccc ctg gag cgg ccc ctg ggc gag gtg tac ctg gac agc agc aag     504
Ile Pro Leu Glu Arg Pro Leu Gly Glu Val Tyr Leu Asp Ser Ser Lys
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Gly Pro Gly Ser Glu Ala Ala Ala Phe Gly Ser Asn Gly Leu Gly Gly
                85              90                      95

ttc ccc cca ctc aac agc gtg tct ccg agc ccg ctg atg cta ctg cac          696
Phe Pro Pro Leu Asn Ser Val Ser Pro Ser Pro Leu Met Leu Leu His
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            115             120             125

ccc tac tac ctg gag aac gag ccc agc ggc tac acg gtg cgc gag gcc          792
Pro Tyr Tyr Leu Glu Asn Glu Pro Ser Gly Tyr Thr Val Arg Glu Ala
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Gly Pro Pro Ala Phe Tyr Arg Pro Asn Ser Asp Asn Arg Arg Gln Gly
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Gly Arg Glu Arg Leu Ala Ser Thr Asn Asp Lys Gly Ser Met Ala Met
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Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala Phe
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Thr Leu Lys Ser Leu Glu Glu Lys Asp His Ile His Arg Val Leu Asp
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Ile Pro Leu Glu Arg Pro Leu Gly Glu Val Tyr Leu Asp Ser Ser Lys
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6

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Gly Pro Gly Ser Glu Ala Ala Ala Phe Gly Ser Asn Gly Leu Gly Gly
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Phe Pro Pro Leu Asn Ser Val Ser Pro Ser Pro Leu Met Leu Leu His
            100             105             110

Pro Pro Pro Gln Leu Ser Pro Phe Leu Gln Pro His Gly Gln Gln Val
            115             120             125

Pro Tyr Tyr Leu Glu Asn Glu Pro Ser Gly Tyr Thr Val Arg Glu Ala
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Gly Pro Pro Ala Phe Tyr Arg Pro Asn Ser Asp Asn Arg Arg Gln Gly
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Gly Arg Glu Arg Leu Ala Ser Thr Asn Asp Lys Gly Ser Met Ala Met
            165             170             175

Glu Ser Ala Lys Glu Thr Arg Tyr Cys Ala Val Cys Asn Asp Tyr Ala
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Ser Gly Tyr His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala Phe
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Phe Lys Arg Ser Ile Gln Gly His Asn Asp Tyr Met Cys Pro Ala Thr
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Asn Gln Cys Thr Ile Asp Lys Asn Arg Arg Lys Ser Cys Gln Ala Cys
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Arg Leu Arg Lys Cys Tyr Glu Val Gly Met Met Lys Gly Gly Ile Arg
            245             250             255

Lys Asp Arg Arg Gly Gly Arg Met Leu Lys His Lys Arg Gln Arg Asp
            260             265             270

Asp Gly Glu Gly Arg Gly Glu Val Gly Ser Ala Gly Asp Met Arg Ala
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Ala Asn Leu Trp Pro Ser Pro Leu Met Ile Lys Arg Ser Lys Lys Asn
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7

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Asp Leu Thr Leu His Asp Gln Val His Leu Leu Glu Cys Ala Trp Leu
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Glu Ile Leu Met Ile Gly Leu Val Trp Arg Ser Met Glu His Pro Val
385   390   395   400

Lys Leu Leu Phe Ala Pro Asn Leu Leu Leu Asp Arg Asn Gln Gly Lys
                405   410   415

Cys Val Glu Gly Met Val Glu Ile Phe Asp Met Leu Leu Ala Thr Ser
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Ser Arg Phe Arg Met Met Asn Leu Gln Gly Glu Glu Phe Val Cys Leu
        435   440   445

Lys Ser Ile Ile Leu Leu Asn Ser Gly Val Tyr Thr Phe Leu Ser Ser
    450   455   460

Thr Leu Lys Ser Leu Glu Glu Lys Asp His Ile His Arg Val Leu Asp
465   470   475   480

Lys Ile Thr Asp Thr Leu Ile His Leu Met Ala Lys Ala Gly Leu Thr
                485   490   495

Leu Gln Gln Gln His Gln Arg Leu Ala Gln Leu Leu Leu Ile Leu Ser
                500   505   510

His Ile Arg His Met Ser Asn Lys Gly Met Glu His Leu Tyr Ser Met
        515   520   525

Lys Cys Lys Asn Val Val Pro Leu Tyr Asp Leu Leu Leu Glu Met Leu
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8

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21

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31

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34

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His Tyr Gly Val Trp Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg
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agt att caa g gtaatagtgt gttgaaaacg acttctattt ttgatcctat         38286
Ser Ile Gln
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gatctcagga gaaggagttg acacatggca gggcagctga ggctgagtaa ttccgcttcc   38466

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attatctctc tactcaggcc ttgtccaggc aaatattctg ttttgttcta gtttagcttg   38706

ttctcccctt tctctcttcc atctctttct tgtctcaatg gatgacagga tattttgcta   38766
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aatggcaata ttctcacaaa ttttttacat cattttgtt cagcatttaa gataaaatta   40566
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cctatgcaag accctggaaa tgcaatgata gaaaaacctg gtccctaccc tcacagaact   41406

tgtgaggtaa aggggatac agactgataa accagcaatt agatgatggt gtcaagatag   41466

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